

Orig No. 50034IAS - 178/69  
21 October 1969MEMORANDUM FOR: Chief, TSSG/NPIC *JWC*ATTENTION : Chief, RED/TSSG *WLB*

SUBJECT : Reticles for Wild and Elgeet/Olympus Microscopes


1. Our experience with the Optomechanisms Chip Comparator has proven the desirability of using a "dot" instead of a cross-hair for pointing precise mensuration devices.

2. We expect to use both the Wild M-5 and the Elgeet/Olympus SZ-3 microscopes in conjunction with the three Link Micron Mensuration Stages we have on order. Only cross-hair type reticles are available for these instruments.

3. We request RED/TSSG to investigate the feasibility and cost of producing specially made reticles consisting of an engraved and filled black dot with a line on two sides of the dot; as an aid in visually locating the dot (e.g. --). The dot, about 20 micrometers in diameter, must be centered in the optical path of the eyepiece.


4. Bausch and Lomb is suggested as a possible source since they produced reticles of this type for the Chip Comparators. We will require a total of six reticles--three for Wild 10x eyepieces and three for Elgeet/Olympus 10x eyepieces.

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